The study for the diagnosis support system of automatic detection gastrointestinal bleeding region

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(Introduction) The endoscope was applied in various fields, but, on the other hand, the data volume increased, and the burdens on doctor increased. (Purpose) We make the highly precise automatic detection system of the bleeding region to reduce the burden of the diagnostician. (Method) It is HSV coordinates has H (Hue), S (Saturation), V (Value)). And hue depends on a wavelength. Then, we thought that it could be applied to automatic recognition of the disease by hue. (Results) Especially the bleeding region was detected by HSV coordinates more precisely than the previous study. If it was the HSV image, we were able to detect precisely the bleeding region of the upper gastrointestinal mucosa by hue. (Conclusion) If it was endoscopic image by the HSV indication, a bleeding region extremely had good precision, and automatic detection was possible.